

Integrated Missile Defense

3-02

Experiment

Event Integrator Brief

For BGen Obering

*See schedule of events
On Slide 15.*

*Events with AADC PAC
Participation are
Noted.*

*AADC PAC J7 attended the
CDC -
Concept Development Conference
In March.*



28 March 2003

**Force Structure, Integration and
Deployment**

Missile Defense Agency
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Overview

Joint Warfighter Support (TRJ)

- **The Concept**
- **Experiment Construct**
- **IDO Table Top**
- **PLANEX**
- **Wargame**

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Joint Warfighter Support (TRJ)

The Concept

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Vision for the IMD Experiment Series

Joint Warfighter Support (TRJ)

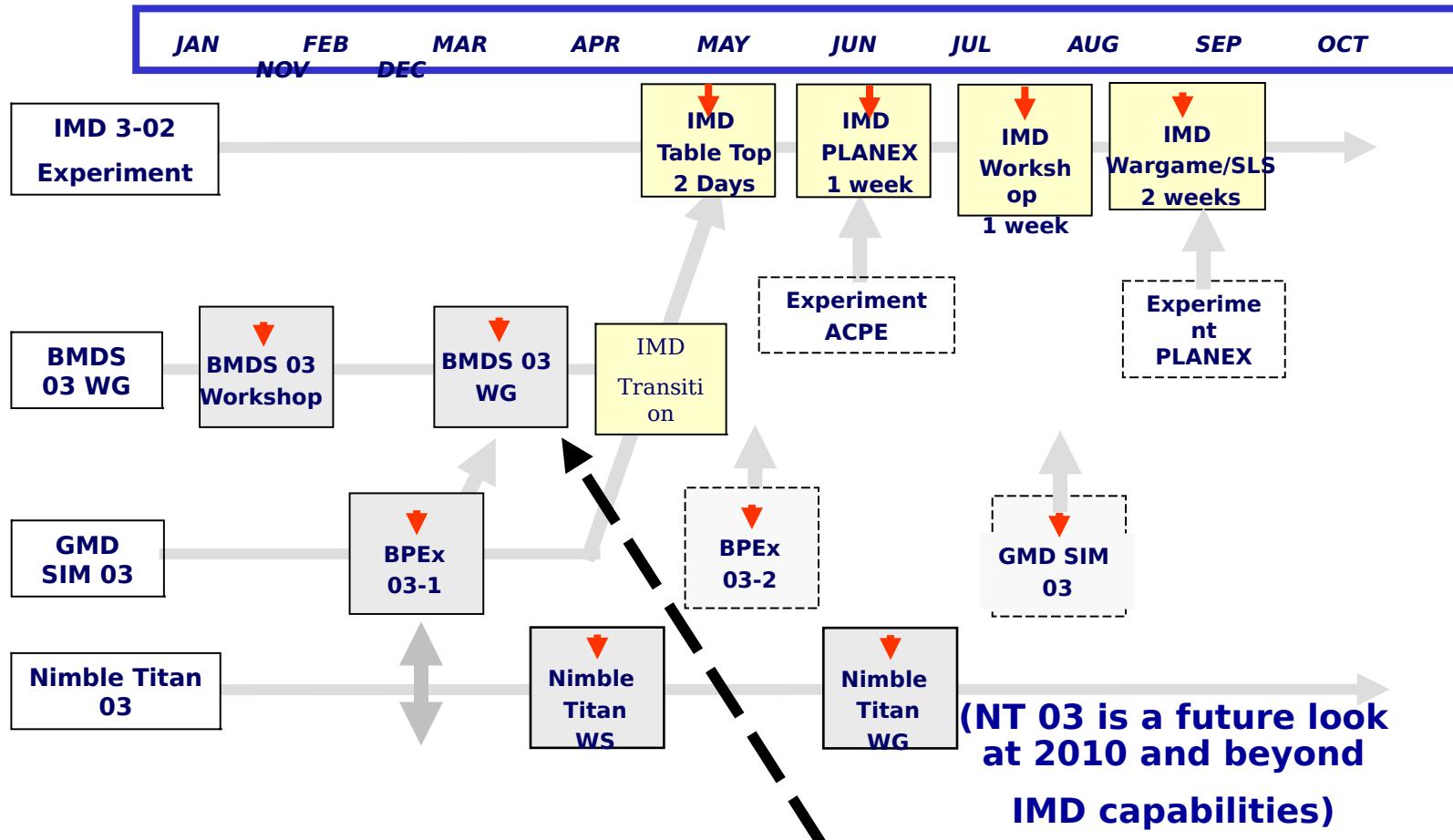
Merge BPex, GMDSim, Combatant Command Exercises and IMD Experiments into a single integrated series of of two annual events that meet the combined exercise and analysis needs of core operations, development, and acquisition customers.

- Engage STRATCOM, NORTHCOM, PACOM, EUCOM, CENTCOM and JTCOM as partners of IDO
- Develop Combined goals and objectives for each Experiment Series. Maintained this focus through all events of the Experiment. Align scenarios and CONOPS where possible to support IDO related objectives



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**Transition to IMD 3-02
Experiment**

Joint Warfighter Support (TRJ)



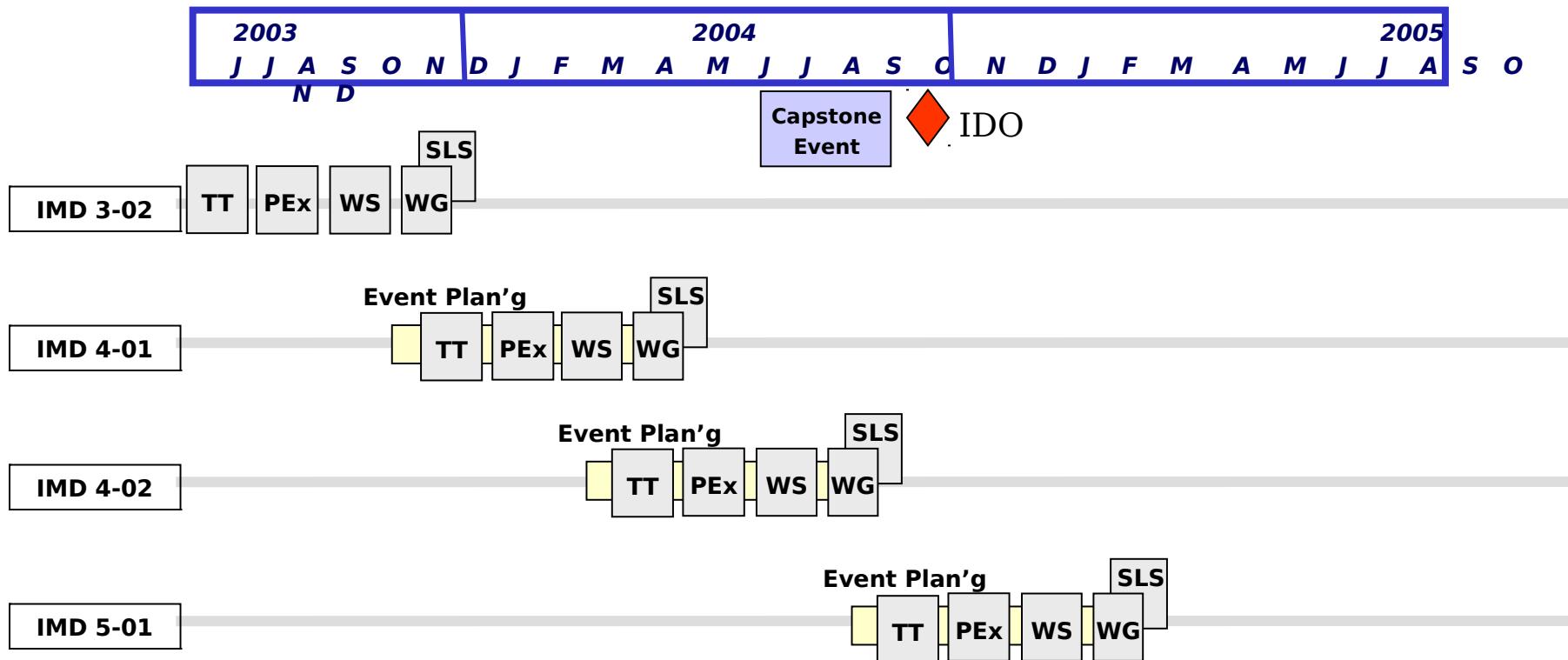
CAPTs Mac Dougall and Doyle and CDR Garvey attended BMDS 03 WG in April (has been renamed IMD 3-01)



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Future Event Flow

Joint Warfighter Support (TRJ)



Key: TT - Table Top; PEx - Planning Exercise (Crisis Action); WS - Workshop; WG Wargame; SLS - Senior Leader Seminar

**MDA / JNIC is scoping down to TWO major IMD CONOPS events per year
IDO is Initial Defense Operations**

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JOPES Functions

Joint Warfighter Support (TRJ)

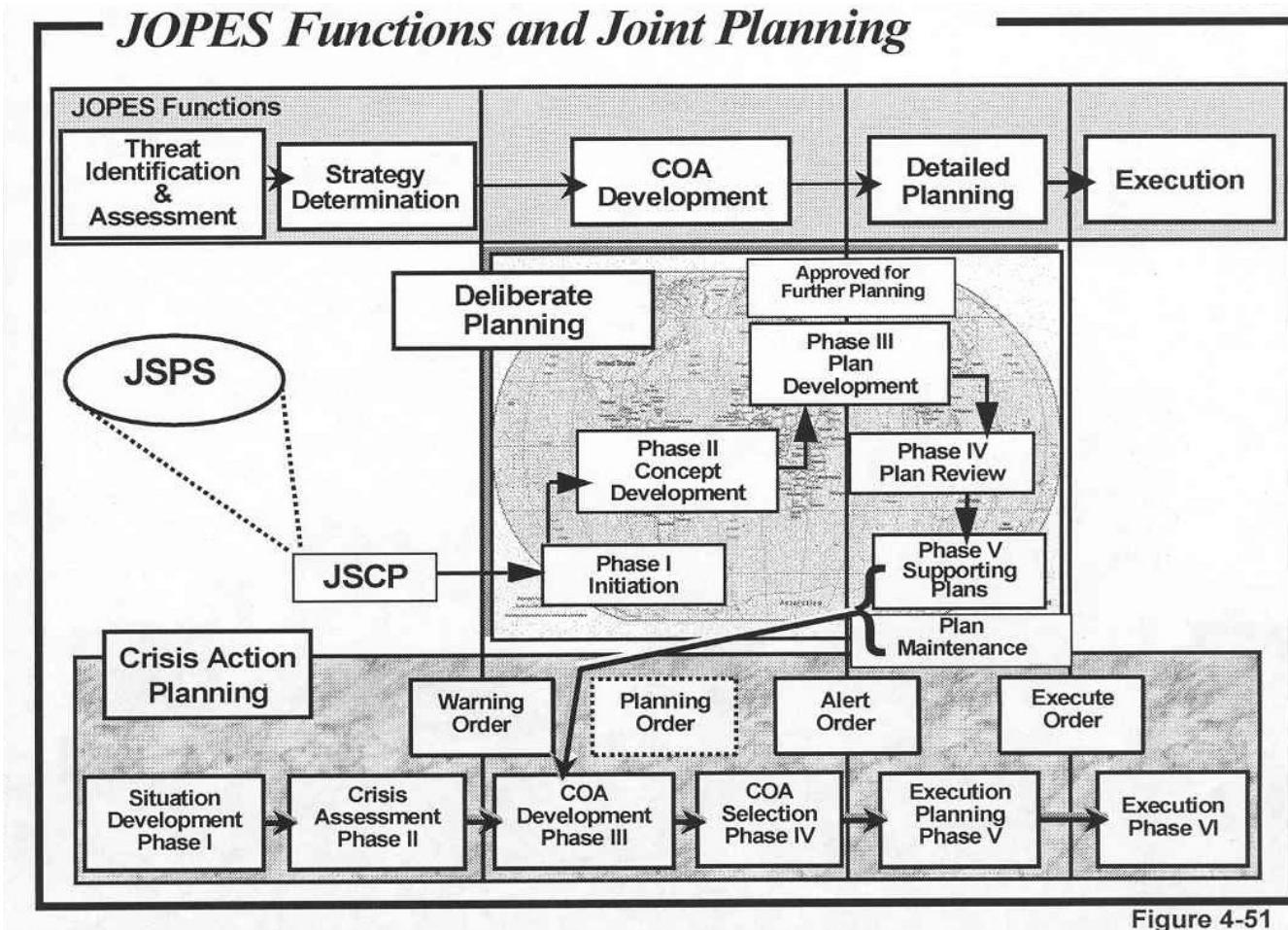


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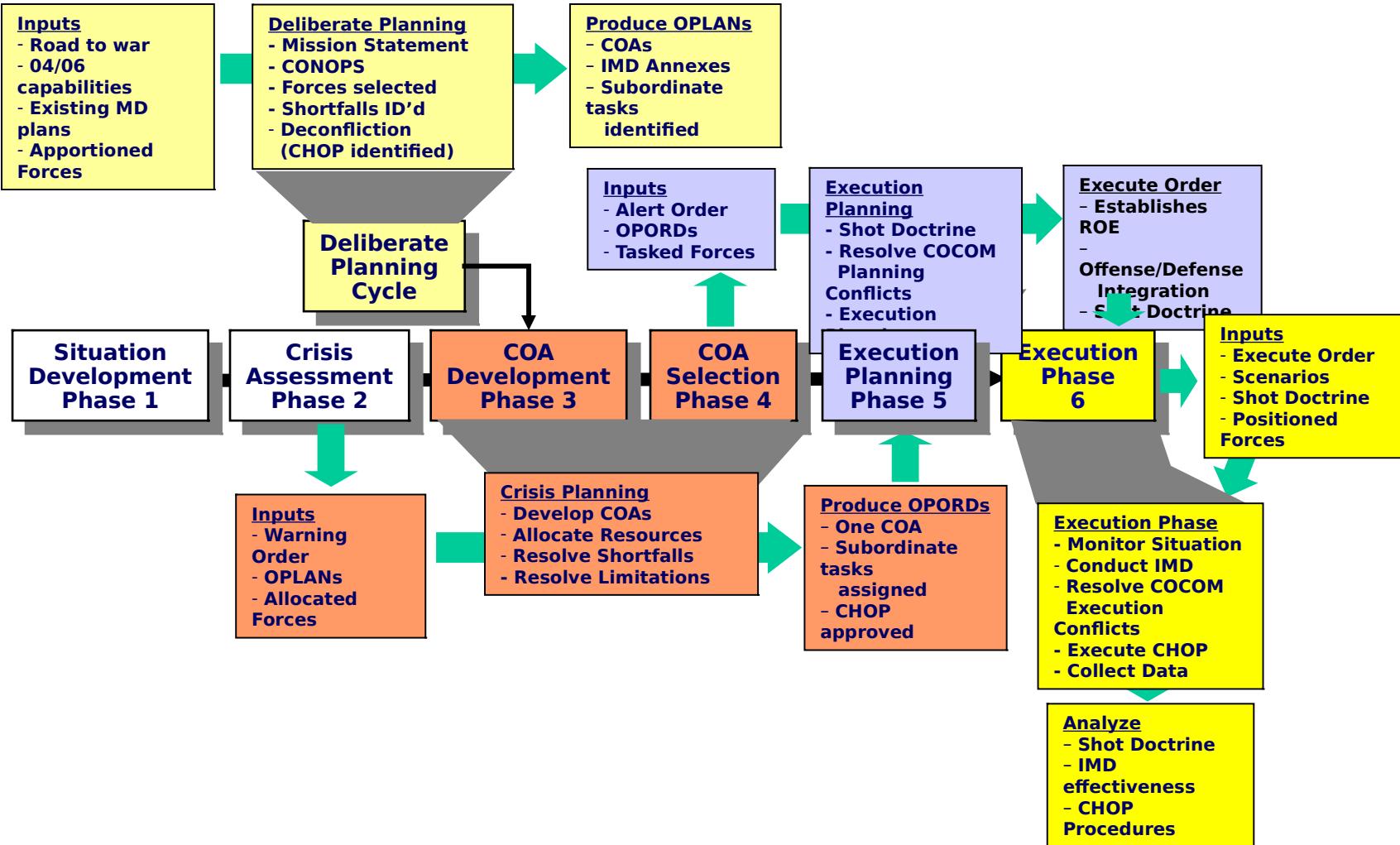
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Crisis Action Planning

Joint Warfighter Support (TRJ)



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Joint Warfighter Support (TRJ)

Experiment Construct

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IMD 3-02 Goals and Objectives

Joint Warfighter Support (TRJ)

Combined Experiment Goals

- Experiment with the STRATCOM Global Ballistic Missile Defense CONOPS in a NEA scenario, expanding on Lessons Learned from previous events to provide insights to STRATCOM and other combatant commands on the processes needed to execute IMD
- Investigate distributed planning functionalities in support of IMD planning and force integration to infuse warfighter requirements into C2BMC Spiral 4.3 development
- Support STRATCOM and Element development of TTP, SOP and system development requirements needed for planning and integration of IMD



Hypothesis for IMD 3-02

Joint Warfighter Support (TRJ)

Observation: Commander Strategic Command (CDR STRATCOM) is developing a Global Ballistic Missile Defense CONOPS. This CONOPS provides the foundation for the development of an Operational Concept and Architecture for Integrated Missile Defense (IMD). Starting with September 2004, the Missile Defense Agency (MDA) will stand up the Ballistic Missile Defense System Block 2004 Initial Defense Operations (IDO). Elements of the IDO will have the ability to transition to a combat status via the Emergency Activation Plan (EAP) against a limited ballistic missile threat. The IDO will require extensive vertical and horizontal C2 and planning integration between STRATCOM (as the lead for planning IMD) and other Combatant Command infrastructures via the C2BMC. All pillars of BMD planning and execution to include offensive operations and C2ISR planning. Additionally, the elements of the IDO must be trained, Mission Ready, and logistically supportable; able to support Combatant Command requirements.

Problem Definition: In SEPT 2004 IDO will be fielded. Using the STRATCOM GBMD and Combatant Command CONOPS, warfighters will plan and employ the IDO using the C2BMC as primary planning tool. Additional IDO Element TTP development will take place using distributed simulations and communications. Do the envisioned processes and prototype capabilities meet the vertical and horizontal IMD functional needs for execution of the IDO from the Combatant Command perspective?

Hypothesis: IDO as employed using the STRATCOM GBMD CONOPS, supported by C2BMC, and associated command and control capabilities, **MEETS** Combatant Command requirements for employment and management.

Null Hypothesis: IDO as employed using the STRATCOM GBMD CONOPS, supported by C2BMC, and associated command and control capabilities, **DOES NOT MEET** Combatant Command requirements for employment and management.



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Combined Experiment Objectives

Joint Warfighter Support (TRJ)

Objectives

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Combined Training Objectives

Joint Warfighter Support (TRJ)

Objectives

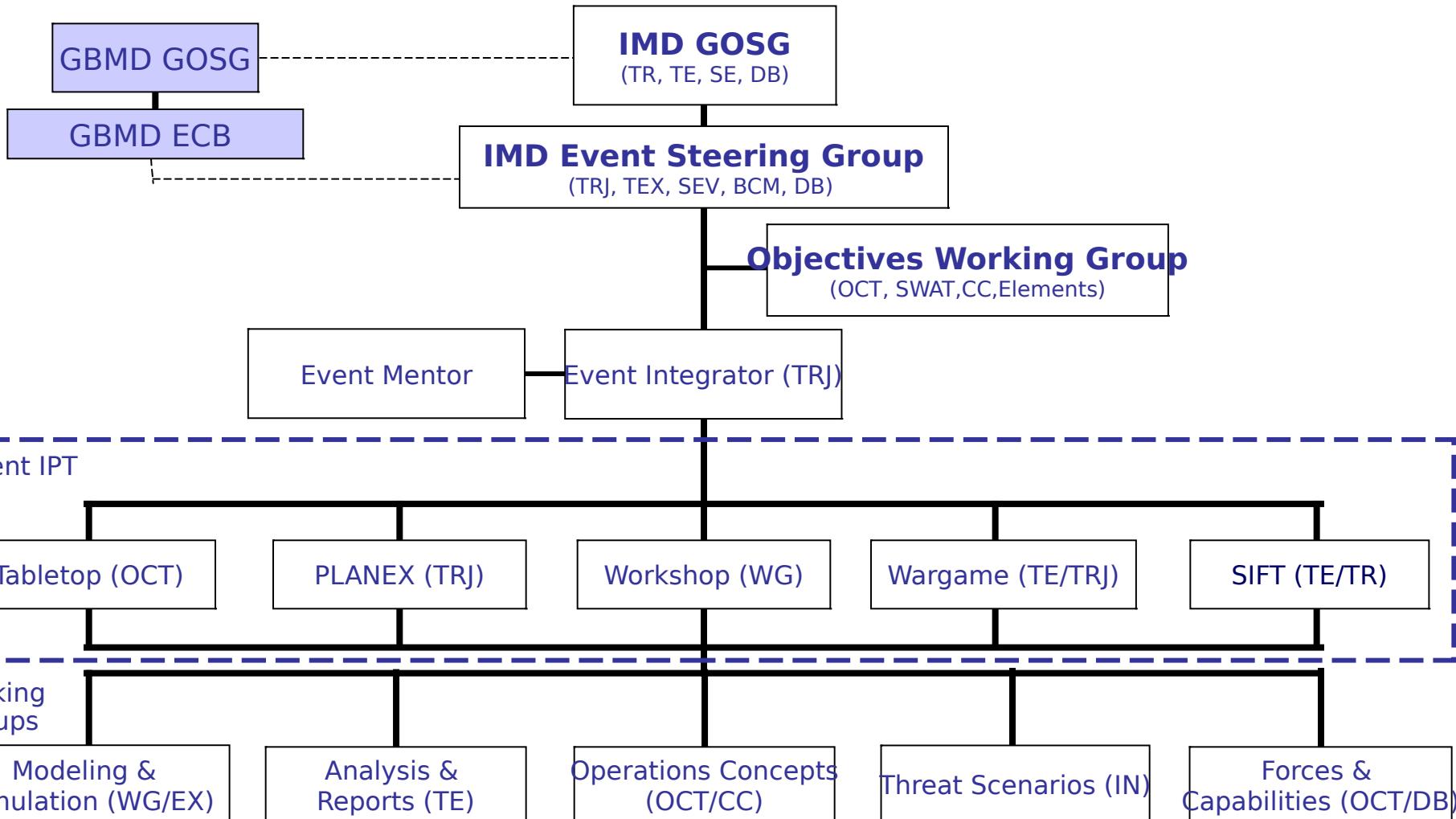
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Oversight and Management

Joint Warfighter Support (TRJ)



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IMD 3-02 Schedule

Joint Warfighter Support (TRJ)

<u>Event</u>	<u>Dates</u>	<u>Location</u>
CDC	11-13 Mar	JNIC (AADC-1)
Scenario IPR	08-10 Apr	WDC
WG IPT IPR	17 Apr	VTC
IPC/MSEL	22-25 Apr	JNIC
TT/MPC (AADC-2)	19-23 May	JNIC
PLANEX	23-27 Jun	JNIC (AADC-2)
FPC	21-25 Jul	JNIC
Work Shop	08-12 Sep	JNIC (AADC-2)
TACEX	15-19 Sep	JNIC
WG Training	27-31 Oct	JNIC

JNIC's AADC suite to be installed in July or Aug

And is expected to be used for operational planning

And operations C2 situational awareness in the Sep. Workshop and the Nov. Wargame.

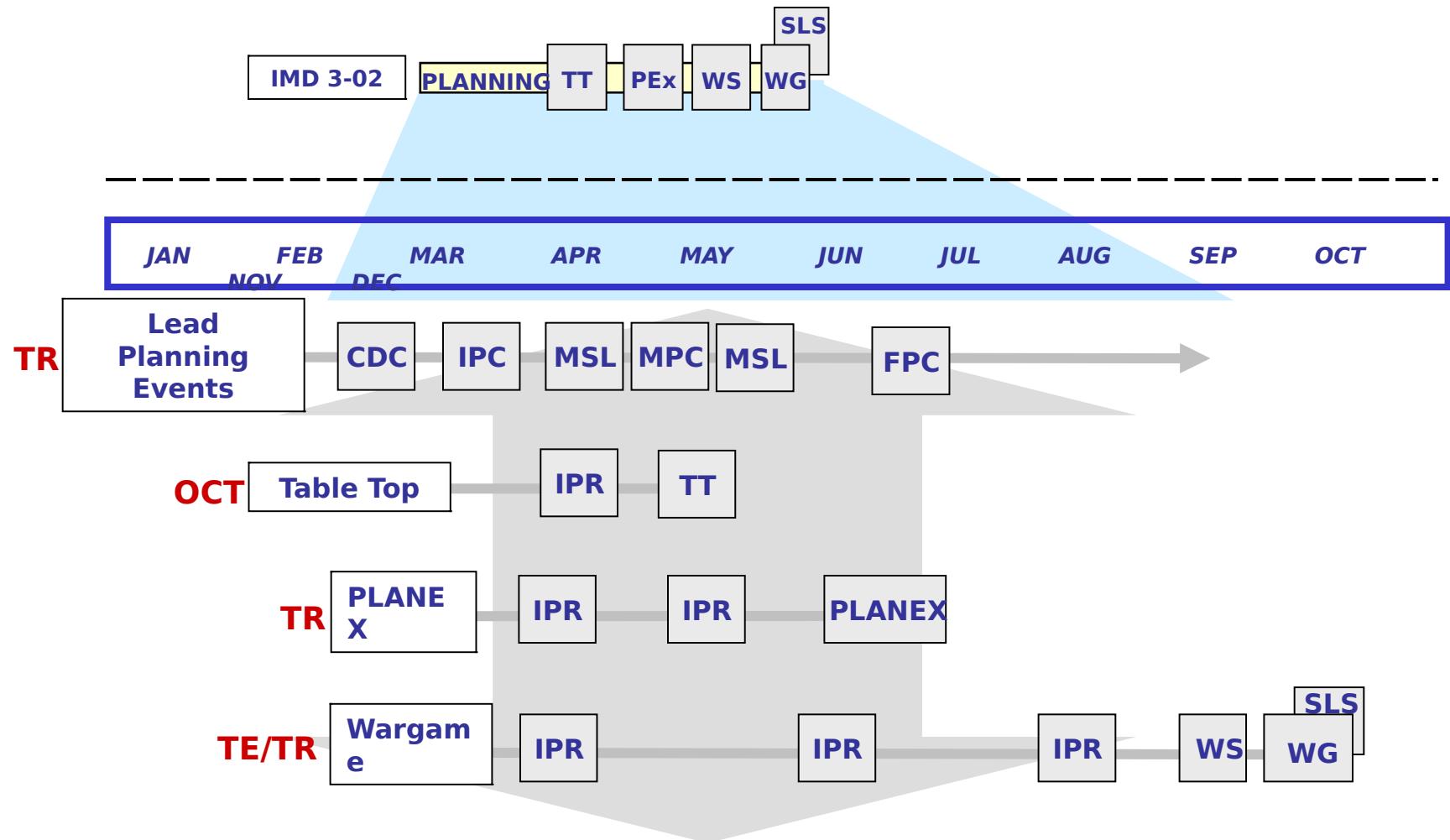
Need 2 personnel EACH at TT / Workshop and Wargame events.



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Concurrent Planning IMD 3-02

Joint Warfighter Support (TRJ)



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Joint Warfighter Support (TRJ)

IDO Table Top

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Table Top Purpose

Joint Warfighter Support (TRJ)

- Establish a common understanding of BMDS Initial Defensive Operations (IDO) capabilities with operators
- Capture the core operational issues surrounding activating, deploying, and employing the BMDS in 2004

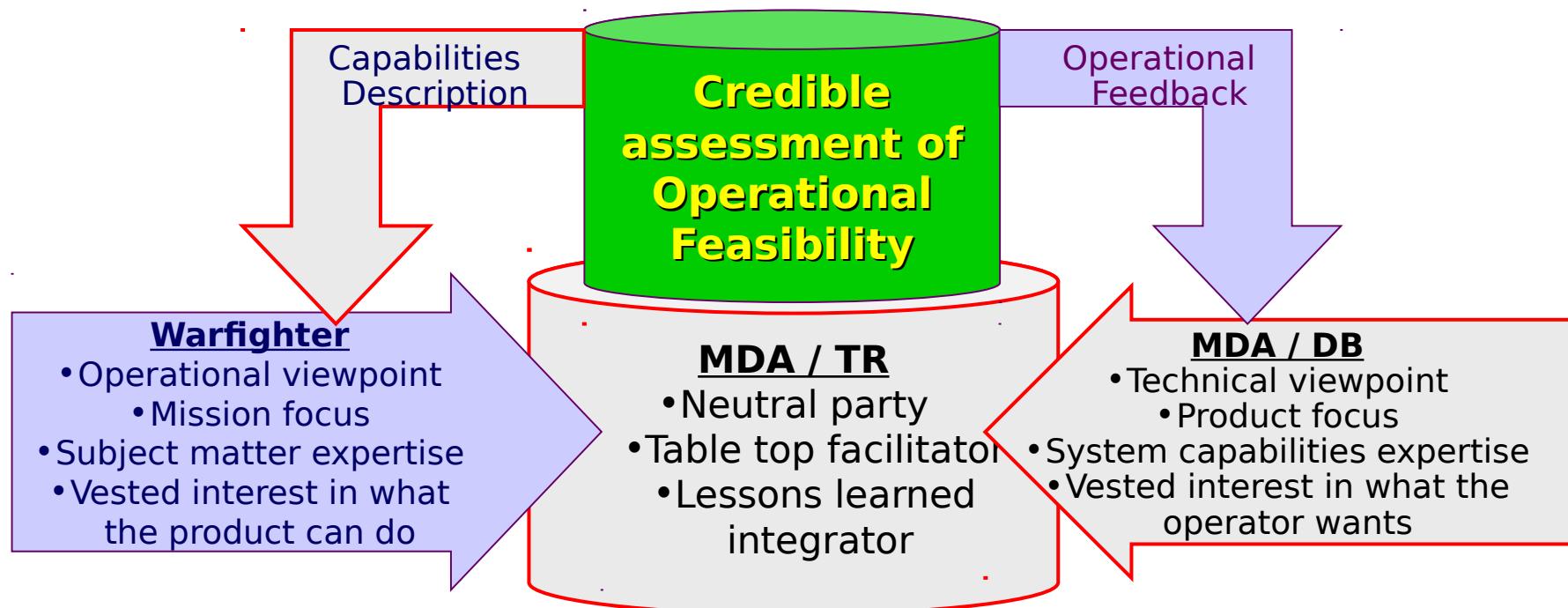


Table Top Approach

Joint Warfighter Support (TRJ)

- **Purpose:** Obtain credible operator insight throughout the development process
BMDS Block Activation Plan

- **Approach:** One-day seminar focused on operational issues and challenges
- **Product(s):** White papers addressing operational issues and challenges





Defined Environment

Joint Warfighter Support (TRJ)

IDO Block 04 Capability

Weapon	Sensors	C2BMC
<u>GMD</u>	<u>GMD</u>	<u>BMDS C2BMC</u>
• GBI <ul style="list-style-type: none">- GBI A- GBI B	• Cobra Dane	• BMDS C2BMC Node
	• Sea Based XBR (SBX)	• DISN
	• UEWRS	• Link 16 Joint Range Extension
<u>Aegis BMD</u>	<u>Aegis BMD</u>	• GBMC2 <ul style="list-style-type: none">- BMC2 Unit- Standalone Workstation
	• Aegis Weapon System with AN/SPY-1B (V)	• GMD Communications Network
	<u>SBIRS</u>	<u>Aegis BMD</u>
	• DSP-ALL	• Aegis Weapon System with ALI 3.0
<u>TE</u>		• Link 11 & 16, TADIL-J, and STADIL-J
	• TPS-X Radar	<u>TE</u>
<u>THAAD</u>		• TPS-X BMC3
	• THAAD Radar	• Link 16
<u>PATRIOT</u>	<u>THAAD</u>	<u>THAAD</u>
		• THAAD BMC3
		• Link 16
<u>PATRIOT</u>		<u>PATRIOT</u>
		• PATRIOT BMC2 (ICC/ECS)
<u>ABE</u>		• Link 11A, 11B, & ABE
		• ABL BMC4I
		• Link 16

Same Threat Scenario and IDO capabilities definitions used during all IMD 3-02 Events

Threat Scenario, Regional and Global





Table Top Expectations/Products

Joint Warfighter Support (TRJ)

- Obtain common understanding of BMDS IDO capability in 2004
- Support Combatant Commander CONOPs/CONPLAN development activities
- Surface critical issues to be addressed in near term events (e.g. PLANEXs, WGs, Exercises) and development activities
- Provide warfighter desired capabilities for future development activities

Feed the BMDS Block Activation Plan (BAP)



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Joint Warfighter Support (TRJ)

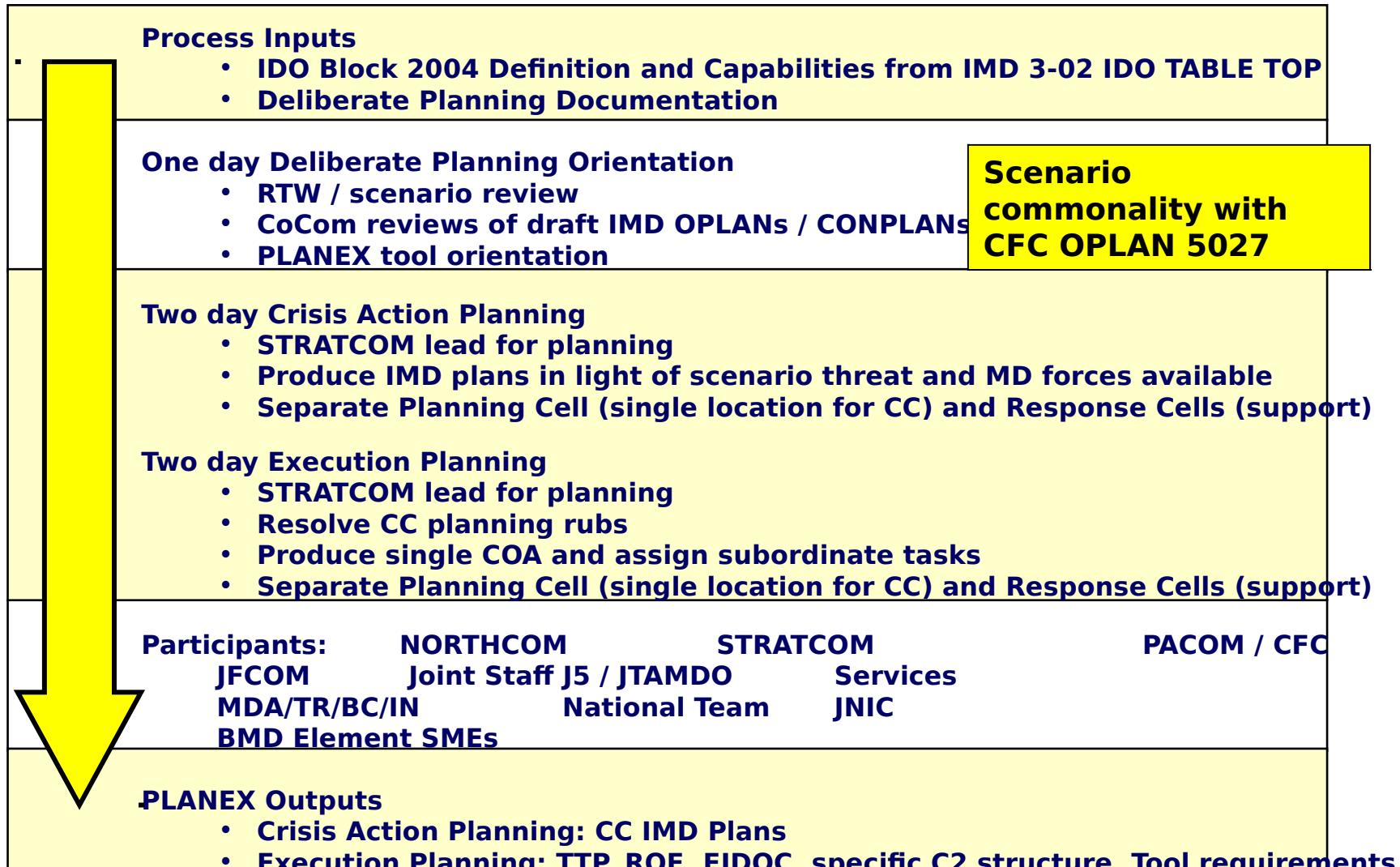
PLANEX

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PLANEX Process and Products

Joint Warfighter Support (TRJ)





Deliberate Planning Products

Joint Warfighter Support (TRJ)

Product	OPR	Date Needed	
IMD II Documents	MDA / JTAMDO/JNIC	31 Mar	
IMD 3-02 Objectives	MDA/Objectives WG/JNIC	31 Mar (Draft)	14 April (Final)
Parsed ITO	PAC / CFC	22 Apr	
TFPD Flow	PAC / CFC	22 Apr	
OPLAN MD Annex	PAC / CFC	22 Apr	
Scenario / RTW	MDA IN / SPC	22 Apr (Draft) (Update) 02 Jun (Final)	19 May
IDO Toolbox (assets)	MDA	15 May	
Red / Blue (Global) OOB	MDA IN / SPC (Red) / MDA/TR (Blue)	19 May	
Commanders MD Intent	STRAT / NORTH / PAC	19 May (Draft)	13 Jun (Final)
Warning Order	NORTH / PAC	19 May (Draft)	13 Jun (Final)
EEP	PAC	19 May (Draft)	13 Jun (Final)
Strategic Concept	NORTH	19 May (Draft)	13 Jun (Final)
MD White Paper	STRAT(W)	19 May (Draft)	13 Jun (Final)
IMD Collaborative Planning Process or IMD II	STRAT	19 May (Draft)	13 Jun (Final)
Global IMD Plan or IMD II	STRAT	19 May (Draft)	13 Jun (Final)
Global Strike Assets	STRAT	19 May (Draft)	13 Jun (Final)
IDO Toolbox Report	MDA	23 May (Draft)	



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Joint Warfighter Support (TRJ)

WARGAME

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Workshop

Joint Warfighter Support (TRJ)

- One week End to End test of simulations, connectivity and communications
 - Provides a final check of the systems to ensure fully mission capable.
 - Multiple TTP runs will be execute to test out system
 - Scenario and PLANEX guidance integrated into event to ensure commonality with other events
- Leveraged Training
 - GMD Crews leverage off test runs to man positions and conduct crew certification and TTP development.
 - Minimal outside participation to event. C2 manning limited to 1 person response cell manning
 - End of End testing take priority to crew training



Wargame Construct

Joint Warfighter Support (TRJ)

- Two Week Event (Preceded by Training Week)
 - Senior Leadership Seminar provides opportunity for discussion of critical GBMD issues and to present the plan as developed at the PLANEX
 - Engagement of senior leaders
 - 3 days of integrated C2/BM runs
 - Scenario and PLANEX integration, combined with positional training meets STRATCOM goals
 - Two daily TTP runs first week and multiple TTP runs in week two address Element warfighter and developer goals
- Issues
 - C2BM Element Objectives and spiral 4.2 readiness
 - SE/TE Objectives for week
 - Alignment of Week 0 and Week 2 GMD Warfighter and SE/TE run requirements to be completed by IPC



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IMD 3-02 Wargame

	Monday 3 Nov	Tuesday 4 Nov	Wednesday 5 Nov	Thursday 6 Nov	Friday 7 Nov
0800	Check in & Training	Senior Leadership Seminar	Deliberate Planning Day X	Deliberate Planning Day Y	Deliberate Planning Day Z
0900		Training	TTP Runs	TTP Runs	TTP Runs
1000			Scenario Run	Scenario Run	Scenario Run
1100					
1200					
1300					
1400					
1500					
1600					
1700			Joint AAR	Joint AAR	Final AAR
1800					
	Monday 10 Nov	Tuesday 11 Nov	Wednesday 12 Nov	Thursday 13 Nov	Friday 14 Nov
0800	TTP Runs	TTP Runs	TTP Runs	TTP Runs	TTP Runs
0900		TTP Runs	TTP Runs	TTP Runs	TTP Runs
1000			TTP Runs	TTP Runs	TTP Runs
1100				TTP Runs	TTP Runs
1200					TTP Runs
1300					
1400					
1500					
1600					
1700	Joint AAR	Joint AAR	Joint AAR	Joint AAR	Joint AAR
1800					

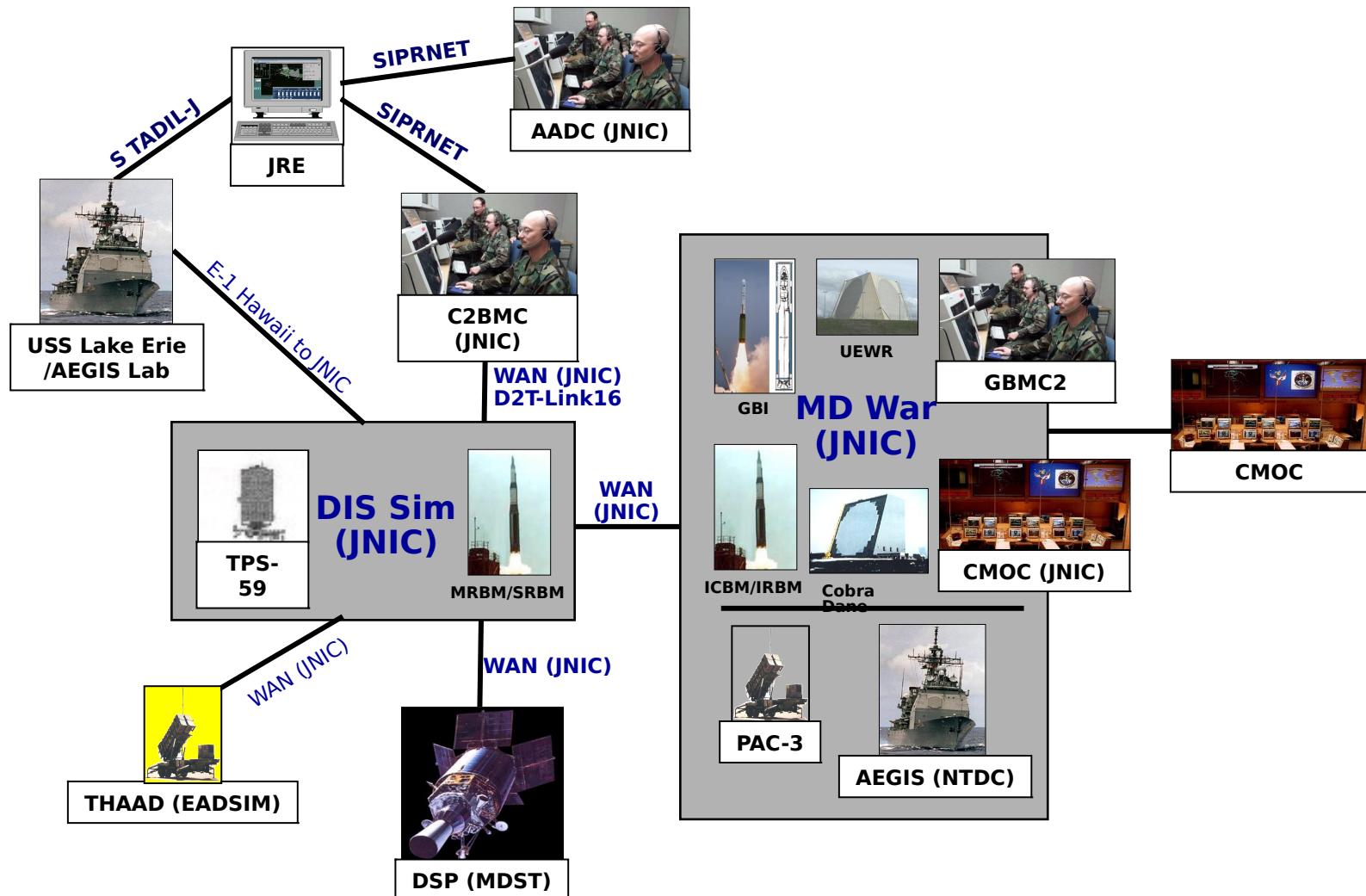
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Wargame Construct

Joint Warfighter Support (TRJ)



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IMD 3-02 C2 Elements

Joint Warfighter Support (TRJ)

- White House Situation Room
- NMCC
- NMJIC
- CMOC
 - Current & Future Ops Cell
 - Passive Defense Response Cell
- STRATCOM
 - Planning Cells
 - Attack Ops/ODI Response Cell
- NORTHCOM
 - CMOC/MWDC
- PACOM/USFK Theater AADCs
 - Current & Future Ops Cell
 - Passive Defense Response Cell
 - Attack Ops Response Cell
 - USN AADC Cell
- Tactical C2 Appropriate to Each Weapon / Sensor Element
- Weapon Firing Positions for each IDO element
- Element C2



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Joint Warfighter Support (TRJ)

Questions

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